

RECEIVED

AUG 23 2002

TECH CENTER 1600/2900

SEQUENCE LISTING

110> Grey, Howard  
Sette, Alessandro  
Sidney, John

<120> HLA-A2.1 BINDING PEPTIDES AND THEIR USES

<130> 399632000623

<140> US 08/349,177

<141> 1994-12-02

<150> 08/159,184

<151> 1993-11-29

<150> 08/073,205

<151> 1993-06-04

<150> 08/027,146

<151> 1993-03-05

<160> 472

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 1

Ala Leu Glu Ala Gln Gln Glu Ala Leu

1

5

<210> 2

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 2

Ile Leu Glu Ser Leu Phe Arg Ala Val

1

5

<210> 3

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 3

Val Ile Thr Lys Lys Val Ala Asp Leu

1

5

<210> 4  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 4  
Cys Leu Gly Leu Ser Tyr Asp Gly Leu  
1 5

<210> 5  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 5  
Gln Ile Met Pro Lys Thr Gly Phe Leu  
1 5

<210> 6  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 6  
Ser Leu His Cys Lys Pro Glu Glu Ala Leu  
1 5 10

<210> 7  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 7  
Pro Leu Val Leu Gly Thr Leu Glu Glu Val  
1 5 10

<210> 8  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 8  
Cys Ile Leu Glu Ser Leu Phe Arg Ala Val  
1 5 10

<210> 9  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 9

Ala Val Ile Thr Lys Lys Val Ala Asp Leu  
1 5 10

<210> 10  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 10  
Val Ile Thr Lys Lys Val Ala Asp Leu Val  
1 5 10

<210> 11  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 11  
Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val  
1 5 10

<210> 12  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 12  
Glu Ile Phe Gly Lys Ala Ser Glu Ser Leu  
1 5 10

<210> 13  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 13  
Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu  
1 5 10

<210> 14  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 14  
Ala Ile Ser Arg Lys Met Val Glu Leu  
1 5

<210> 15  
<211> 9  
<212> PRT

<213> Homo Sapiens

<400> 15

Lys Met Val Glu Leu Val His Phe Leu  
1 5

<210> 16

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 16

Met Val Glu Leu Val His Phe Leu Leu  
1 5

<210> 17

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 17

Asp Leu Gln Gln Ser Leu Arg Val Leu  
1 5

<210> 18

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 18

Ser Leu Arg Val Leu Ala Ala Gly Leu  
1 5

<210> 19

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 19

Ala Leu Ser Arg Lys Val Ala Glu Leu  
1 5

<210> 20

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 20

His Leu Tyr Ile Phe Ala Thr Cys Leu  
1 5

<210> 21  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 21  
Tyr Ile Phe Ala Thr Cys Leu Gly Leu  
1 5

<210> 22  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 22  
Gln Ile Met Pro Lys Ala Gly Leu Leu  
1 5

<210> 23  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 23  
Ala Ile Ser Arg Lys Met Val Glu Leu Val  
1 5 10

<210> 24  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 24  
Met Val Glu Leu Val His Phe Leu Leu Leu  
1 5 10

<210> 25  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 25  
Lys Leu Pro Gly Leu Leu Ser Arg Asp Leu  
1 5 10

<210> 26  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 26  
Leu Leu Ser Arg Asp Leu Gln Gln Ser Leu

1	5	10
---	---	----

<210> 27  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 27  
 Ser Leu Pro Thr Thr Met Asn Tyr Pro Leu  
 1 5 10

<210> 28  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 28  
 Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu  
 1 5 10

<210> 29  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 29  
 Ala Leu Ser Arg Lys Val Ala Glu Leu Val  
 1 5 10

<210> 30  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 30  
 Lys Val Ala Glu Leu Val His Phe Leu Leu  
 1 5 10

<210> 31  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 31  
 Val Ile Phe Ser Lys Ala Ser Ser Ser Leu  
 1 5 10

<210> 32  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 32  
Ser Leu Gln Leu Val Phe Gly Ile Glu Leu  
1 5 10

<210> 33  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 33  
Leu Met Glu Val Asp Pro Ile Gly His Leu  
1 5 10

<210> 34  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 34  
Phe Leu Ile Ile Val Leu Val Met Ile  
1 5

<210> 35  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 35  
Gly Leu Leu Gly Asp Asn Gln Ile Met  
1 5

<210> 36  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 36  
Ser Leu His Cys Lys Pro Glu Glu Ala  
1 5

<210> 37  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 37  
Ala Leu Gly Leu Val Cys Val Gln Ala  
1 5

<210> 38

<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 38  
Cys Lys Pro Glu Glu Ala Leu Glu Ala  
1 5

<210> 39  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 39  
Gln Gln Glu Ala Leu Gly Leu Val Cys  
1 5

<210> 40  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 40  
Val Gln Ala Ala Thr Ser Ser Ser Ser  
1 5

<210> 41  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 41  
Pro Leu Val Leu Gly Thr Leu Glu Glu  
1 5

<210> 42  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 42  
Val Pro Thr Ala Gly Ser Thr Asp Pro  
1 5

<210> 43  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 43  
Pro Gln Ser Pro Gln Gly Ala Ser Ala  
1 5



<210> 44  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 44  
Phe Pro Thr Thr Ile Asn Phe Thr Arg  
1 5

<210> 45  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 45  
Gln Arg Gln Pro Ser Glu Gly Ser Ser  
1 5

<210> 46  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 46  
Ser Arg Glu Glu Gly Pro Ser Thr  
1 5

<210> 47  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 47  
Ala Val Ile Thr Lys Lys Val Ala Asp  
1 5

<210> 48  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 48  
Glu Met Leu Glu Ser Val Ile Lys Asn  
1 5

<210> 49  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 49  
Tyr Lys His Cys Phe Pro Glu Ile Phe  
1 5

<210> 50  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 50  
Gly Lys Ala Ser Glu Ser Leu Gln Leu  
1 5

<210> 51  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 51  
Val Phe Gly Ile Asp Val Lys Glu Ala  
1 5

<210> 52  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 52  
Asp Pro Thr Gly His Ser Tyr Val Leu  
1 5

<210> 53  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 53  
Val Thr Cys Leu Gly Leu Ser Tyr Asp  
1 5

<210> 54  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 54  
Pro Lys Thr Gly Phe Leu Ile Ile Val  
1 5

<210> 55  
<211> 9

<212> PRT  
<213> Homo Sapiens

<400> 55  
Leu Val Met Ile Ala Met Glu Gly Gly  
1 5

<210> 56  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 56  
His Ala Pro Glu Glu Glu Ile Trp Glu  
1 5

<210> 57  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 57  
Glu Leu Ser Val Met Glu Val Tyr Asp  
1 5

<210> 58  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 58  
Gly Arg Glu His Ser Ala Tyr Gly Glu  
1 5

<210> 59  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 59  
Pro Arg Lys Leu Leu Thr Gln Asp Leu  
1 5

<210> 60  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 60  
Val Gln Glu Lys Tyr Leu Glu Tyr Gly  
1 5

<210> 61  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 61  
Arg Cys Arg Thr Val Ile Pro His Ala  
1 5

<210> 62  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 62  
Met Ser Ser Cys Gly Val Gln Gly Pro  
1 5

<210> 63  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 63  
Ile Leu Glu Ser Leu Phe Arg Ala Val Ile  
1 5 10

<210> 64  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 64  
Phe Leu Ile Ile Val Leu Val Met Ile Ala  
1 5 10

<210> 65  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 65  
Leu Val Phe Gly Ile Asp Val Lys Glu Ala  
1 5 10

<210> 66  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 66

Glu Val Tyr Asp Gly Arg Glu His Ser Ala  
1 5 10

<210> 67  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 67  
Gly Val Gln Gly Pro Ser Leu Lys Pro Ala  
1 5 10

<210> 68  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 68  
Gln Leu Val Phe Gly Ile Asp Val  
1 5

<210> 69  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 69  
Lys Leu Leu Thr Gln Asp Leu Val  
1 5

<210> 70  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 70  
Gly Leu Leu Gly Asp Asn Gln Ile  
1 5

<210> 71  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 71  
Asp Leu Val Gly Phe Leu Leu Leu  
1 5

<210> 72  
<211> 8  
<212> PRT

<213> Homo Sapiens

<400> 72

Gly Leu Ser Tyr Asp Gly Leu Leu  
1 5

<210> 73

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 73

Asp Leu Val Gln Glu Lys Tyr Leu  
1 5

<210> 74

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 74

Leu Leu Gly Asp Asn Gln Ile Met  
1 5

<210> 75

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 75

Phe Leu Ile Ile Val Leu Val Met  
1 5

<210> 76

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 76

Ala Leu Glu Ala Gln Gln Glu Ala  
1 5

<210> 77

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 77

Thr Leu Glu Glu Val Pro Thr Ala  
1 5

<210> 78  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 78  
Ile Met Pro Lys Thr Gly Phe Leu  
1 5

<210> 79  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 79  
Pro Val Thr Lys Ala Glu Met Leu  
1 5

<210> 80  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 80  
Ile Val Leu Val Met Ile Ala Met  
1 5

<210> 81  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 81  
Ala Val Ile Thr Lys Lys Val Ala  
1 5

<210> 82  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 82  
Glu Ile Trp Glu Glu Leu Ser Val  
1 5

<210> 83  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 83  
Leu Ile Ile Val Leu Val Met Ile

1

5

<210> 84  
<211> 8  
<212> PRT  
<213> Homo Sapiens

<400> 84  
Ile Ile Val Leu Val Met Ile Ala  
1 5

<210> 85  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 85  
Ser Leu Phe Arg Ala Val Ile Thr Lys Lys Val  
1 5 10

<210> 86  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 86  
Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val  
1 5 10

<210> 87  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 87  
Tyr Leu Glu Tyr Gly Arg Cys Arg Thr Val Ile  
1 5 10

<210> 88  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 88  
Ala Leu Glu Ala Gln Gln Glu Ala Leu Gly Leu  
1 5 10

<210> 89  
<211> 11  
<212> PRT  
<213> Homo Sapiens



<400> 89  
Phe Leu Ile Ile Val Leu Val Met Ile Ala Met  
1 5 10

<210> 90  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 90  
Val Leu Gly Thr Leu Glu Glu Val Pro Thr Ala  
1 5 10

<210> 91  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 91  
Gln Leu Val Phe Gly Ile Asp Val Lys Glu Ala  
1 5 10

<210> 92  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 92  
Ala Val Ile Thr Lys Lys Val Ala Asp Leu Val  
1 5 10

<210> 93  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 93  
Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val  
1 5 10

<210> 94  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 94  
Lys Val Ala Asp Leu Val Gly Phe Leu Leu Leu  
1 5 10

<210> 95

<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 95  
Gly Val Gln Gly Pro Ser Leu Lys Pro Ala Met  
1 5 10

<210> 96  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 96  
Leu Val Gly Phe Leu Leu Leu Lys Tyr Arg Ala  
1 5 10

<210> 97  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 97  
Leu Val Met Ile Ala Met Glu Gly Gly His Ala  
1 5 10

<210> 98  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 98  
Cys Ile Leu Glu Ser Leu Phe Arg Ala Val Ile  
1 5 10

<210> 99  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 99  
Glu Ala Leu Glu Ala Gln Gln Glu Ala  
1 5

<210> 100  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 100  
Glu Ala Gln Gln Glu Ala Leu Gly Leu  
1 5

<210> 101  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 101  
Ala Ala Thr Ser Ser Ser Ser Pro Leu  
1 5

<210> 102  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 102  
Ala Thr Ser Ser Ser Ser Pro Leu Val  
1 5

<210> 103  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 103  
Gly Thr Leu Glu Glu Val Pro Thr Ala  
1 5

<210> 104  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 104  
Gly Ala Ser Ala Phe Pro Thr Thr Ile  
1 5

<210> 105  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 105  
Ser Thr Ser Cys Ile Leu Glu Ser Leu  
1 5

<210> 106  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 106  
Arg Ala Val Ile Thr Lys Lys Val Ala  
1 5

<210> 107  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 107  
Ile Thr Lys Lys Val Ala Asp Leu Val  
1 5

<210> 108  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 108  
Arg Ala Arg Glu Pro Val Thr Lys Ala  
1 5

<210> 109  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 109  
Lys Ala Glu Met Leu Glu Ser Val Ile  
1 5

<210> 110  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 110  
Lys Ala Ser Glu Ser Leu Gln Leu Val  
1 5

<210> 111  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 111  
Pro Thr Gly His Ser Tyr Val Leu Val  
1 5

<210> 112  
<211> 9

<212> PRT  
<213> Homo Sapiens

<400> 112  
Lys Thr Gly Phe Leu Ile Ile Val Leu  
1 5

<210> 113  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 113  
Leu Ile Ile Val Leu Val Met Ile Ala  
1 5

<210> 114  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 114  
Ile Ile Val Leu Val Met Ile Ala Met  
1 5

<210> 115  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 115  
Met Ile Ala Met Glu Gly Gly His Ala  
1 5

<210> 116  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 116  
Glu Ile Trp Glu Glu Leu Ser Val Met  
1 5

<210> 117  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 117  
Ser Ala Tyr Gly Glu Pro Arg Lys Leu  
1 5

<210> 118  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 118  
Tyr Leu Glu Tyr Gly Arg Cys Arg Thr  
1 5

<210> 119  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 119  
Glu Ala Leu Gly Leu Val Cys Val Gln Ala  
1 5 10

<210> 120  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 120  
Gln Ala Ala Thr Ser Ser Ser Ser Pro Leu  
1 5 10

<210> 121  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 121  
Val Thr Lys Ala Glu Met Leu Glu Ser Val  
1 5 10

<210> 122  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 122  
Glu Ala Asp Pro Thr Gly His Ser Tyr Val  
1 5 10

<210> 123  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 123

Val Leu Gly Thr Leu Glu Glu Val Pro Thr  
1 5 10

<210> 124  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 124  
Ser Ala Phe Pro Thr Thr Ile Asn Phe Thr  
1 5 10

<210> 125  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 125  
Gly Ile Asp Val Lys Glu Ala Asp Pro Thr  
1 5 10

<210> 126  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 126  
Pro Thr Gly His Ser Tyr Val Leu Val Thr  
1 5 10

<210> 127  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 127  
Phe Leu Trp Gly Pro Arg Ala Leu Ala  
1 5

<210> 128  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 128  
Leu Ala Glu Thr Ser Tyr Val Lys Val  
1 5

<210> 129  
<211> 9  
<212> PRT

<213> Homo Sapiens

<400> 129

Tyr Val Lys Val Leu Glu Tyr Val Ile  
1 5

<210> 130

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 130

Arg Val Arg Phe Phe Phe Pro Ser Leu  
1 5

<210> 131

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 131

Leu Ala Glu Thr Ser Tyr Val Lys Val Leu  
1 5 10

<210> 132

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 132

Val Leu Glu Tyr Val Ile Lys Val Ser Ala  
1 5 10

<210> 133

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 133

Ala Ala Leu Arg Glu Glu Glu Gly Val  
1 5 10

<210> 134

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 134

Ser Met His Cys Lys Pro Glu Glu Val  
1 5



<210> 135  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 135  
Ala Met Gly Leu Val Cys Val Gln Val  
1 5

<210> 136  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 136  
Leu Met Leu Gly Thr Leu Glu Glu Val  
1 5

<210> 137  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 137  
Leu Gln Leu Val Phe Gly Ile Asp Val  
1 5

<210> 138  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 138  
Gly Leu Ser Tyr Asp Gly Leu Leu Gly  
1 5

<210> 139  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 139  
Gly Leu Ser Tyr Asp Gly Leu Leu Val  
1 5

<210> 140  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 140  
Leu Leu Gly Asp Asn Gln Ile Met Pro

1

5

<210> 141  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 141  
Leu Leu Gly Asp Asn Gln Ile Met Val  
1 5

<210> 142  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 142  
Trp Glu Glu Leu Ser Val Met Glu Val  
1 5

<210> 143  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 143  
Trp Met Glu Leu Ser Val Met Glu Val  
1 5

<210> 144  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 144  
Arg Lys Leu Leu Thr Gln Asp Leu Val  
1 5

<210> 145  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 145  
Tyr Glu Phe Leu Trp Gly Pro Arg Ala  
1 5

<210> 146  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 146  
Tyr Met Phe Leu Trp Gly Pro Arg Val  
1 5

<210> 147  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 147  
Ala Ala Thr Ser Ser Ser Ser Pro Leu Val  
1 5 10

<210> 148  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 148  
Ala Thr Ser Ser Ser Ser Pro Leu Val Leu  
1 5 10

<210> 149  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 149  
Lys Met Ala Asp Leu Val Gly Phe Leu Val  
1 5 10

<210> 150  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 150  
Val Ala Asp Leu Val Gly Phe Leu Leu Leu  
1 5 10

<210> 151  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 151  
Ser Glu Ser Leu Gln Leu Val Phe Gly Ile  
1 5 10

<210> 152

<211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 152  
 Val Met Val Thr Cys Leu Gly Leu Ser Val  
 1 5 10  
  
 <210> 153  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 153  
 Gln Ile Met Pro Lys Thr Gly Phe Leu Ile  
 1 5 10  
  
 <210> 154  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 154  
 Gln Met Met Pro Lys Thr Gly Phe Leu Val  
 1 5 10  
  
 <210> 155  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 155  
 Lys Thr Gly Phe Leu Ile Ile Val Leu Val  
 1 5 10  
  
 <210> 156  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 156  
 Leu Ile Ile Val Leu Val Met Ile Ala Met  
 1 5 10  
  
 <210> 157  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 157  
 Val Met Ile Ala Met Glu Gly Gly His Val  
 1 5 10

<210> 158  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 158  
Ser Ala Tyr Gly Glu Pro Arg Lys Leu Leu  
1 5 10

<210> 159  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 159  
Ala Leu Ala Glu Thr Ser Tyr Val Lys Val Leu  
1 5 10

<210> 160  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 160  
Lys Met Val Glu Leu Val His Phe Leu Leu Leu  
1 5 10

<210> 161  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 161  
Glu Leu Met Glu Val Asp Pro Ile Gly His Leu  
1 5 10

<210> 162  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 162  
His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu  
1 5 10

<210> 163  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 163  
Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val  
1 5 10

<210> 164  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 164  
Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val  
1 5 10

<210> 165  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 165  
Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val  
1 5 10

<210> 166  
<211> 13  
<212> PRT  
<213> Homo Sapiens

<400> 166  
Val Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu  
1 5 10

<210> 167  
<211> 13  
<212> PRT  
<213> Homo Sapiens

<400> 167  
Lys Leu Leu Thr Gln Asp Leu Val Gln Glu Lys Tyr Leu  
1 5 10

<210> 168  
<211> 13  
<212> PRT  
<213> Homo Sapiens

<400> 168  
Asp Leu Val Gln Glu Lys Tyr Leu Glu Tyr Arg Gln Val  
1 5 10

<210> 169  
<211> 15

<212> PRT  
 <213> Homo Sapiens  
  
 <400> 169  
 Ser Leu Phe Arg Ala Val Ile Thr Lys Lys Val Ala Asp Leu Val  
 1 5 10 15  
  
 <210> 170  
 <211> 15  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 170  
 Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val  
 1 5 10 15  
  
 <210> 171  
 <211> 15  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 171  
 Met Leu Gly Ser Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val  
 1 5 10 15  
  
 <210> 172  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 172  
 Gly Ala Ser Ser Phe Ser Thr Thr Ile  
 1 5  
  
 <210> 173  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 173  
 Asp Leu Glu Ser Glu Phe Gln Ala Ala  
 1 5  
  
 <210> 174  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 174  
 Gln Ala Ala Ile Ser Arg Lys Met Val  
 1 5

<210> 175  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 175  
Lys Ala Glu Met Leu Glu Ser Val Leu  
1 5

<210> 176  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 176  
Lys Ala Ser Glu Tyr Leu Gln Leu Val  
1 5

<210> 177  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 177  
Gln Leu Val Phe Gly Ile Glu Val Val  
1 5

<210> 178  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 178  
Val Val Pro Ile Ser His Leu Tyr Ile  
1 5

<210> 179  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 179  
Pro Ile Ser His Leu Tyr Ile Leu Val  
1 5

<210> 180  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 180



His Leu Tyr Ile Leu Val Thr Cys Leu  
1 5

<210> 181  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 181  
Tyr Ile Leu Val Thr Cys Leu Gly Leu  
1 5

<210> 182  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 182  
Gly Leu Leu Gly Asp Asn Gln Val Met  
1 5

<210> 183  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 183  
Gln Val Met Pro Lys Thr Gly Leu Leu  
1 5

<210> 184  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 184  
Val Met Pro Lys Thr Gly Leu Leu Ile  
1 5

<210> 185  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 185  
Lys Thr Gly Leu Leu Ile Ile Val Leu  
1 5

<210> 186  
<211> 9  
<212> PRT

<213> Homo Sapiens

<400> 186

Gly Leu Leu Ile Ile Val Leu Ala Ile  
1 5

<210> 187

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 187

Leu Leu Ile Ile Val Leu Ala Ile Ile  
1 5

<210> 188

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 188

Leu Ile Ile Val Leu Ala Ile Ile Ala  
1 5

<210> 189

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 189

Ile Ile Val Leu Ala Ile Ile Ala Ile  
1 5

<210> 190

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 190

Ile Ile Ala Ile Glu Gly Asp Cys Ala  
1 5

<210> 191

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 191

Gly Ala Ser Ser Leu Pro Thr Thr Met  
1 5

<210> 192  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 192  
Gln Ala Ala Leu Ser Arg Lys Val Ala  
1 5

<210> 193  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 193  
Val Ala Glu Leu Val His Phe Leu Leu  
1 5

<210> 194  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 194  
Lys Ala Glu Met Leu Gly Ser Val Val  
1 5

<210> 195  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 195  
Lys Ala Ser Ser Ser Leu Gln Leu Val  
1 5

<210> 196  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 196  
Gln Leu Val Phe Gly Ile Glu Leu Met  
1 5

<210> 197  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 197  
Pro Ile Gly His Leu Tyr Ile Phe Ala

1

5

<210> 198  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 198  
Ile Met Pro Lys Ala Gly Leu Leu Ile  
1 5

<210> 199  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 199  
Lys Ala Gly Leu Leu Ile Ile Val Leu  
1 5

<210> 200  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 200  
Ile Ile Ala Arg Glu Gly Asp Cys Ala  
1 5

<210> 201  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 201  
Glu Ala Leu Glu Ala Gln Gln Glu Ala Leu  
1 5 10

<210> 202  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 202  
Glu Ala Gln Gln Glu Ala Leu Gly Leu Val  
1 5 10

<210> 203  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 203  
Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile  
1 5 10

<210> 204  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 204  
Ala Ala Ile Ser Arg Lys Met Val Glu Leu  
1 5 10

<210> 205  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 205  
Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu  
1 5 10

<210> 206  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 206  
Tyr Leu Gln Leu Val Phe Gly Ile Glu Val  
1 5 10

<210> 207  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 207  
Leu Val Phe Gly Ile Glu Val Val Glu Val  
1 5 10

<210> 208  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 208  
Gly Ile Glu Val Val Glu Val Val Pro Ile  
1 5 10

<210> 209

<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 209  
Val Val Glu Val Val Pro Ile Ser His Leu  
1 5 10

<210> 210  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 210  
Glu Val Val Pro Ile Ser His Leu Tyr Ile  
1 5 10

<210> 211  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 211  
Val Val Pro Ile Ser His Leu Tyr Ile Leu  
1 5 10

<210> 212  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 212  
Pro Ile Ser His Leu Tyr Ile Leu Val Thr  
1 5 10

<210> 213  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 213  
Gln Val Met Pro Lys Thr Gly Leu Leu Ile  
1 5 10

<210> 214  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 214  
Val Met Pro Lys Thr Gly Leu Leu Ile Ile  
1 5 10

<210> 215  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 215  
Lys Thr Gly Leu Leu Ile Ile Val Leu Ala  
1 5 10

<210> 216  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 216  
Gly Leu Leu Ile Ile Val Leu Ala Ile Ile  
1 5 10

<210> 217  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 217  
Leu Leu Ile Ile Val Leu Ala Ile Ile Ala  
1 5 10

<210> 218  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 218  
Leu Ile Ile Val Leu Ala Ile Ile Ala Ile  
1 5 10

<210> 219  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 219  
Ala Ile Ile Ala Ile Glu Gly Asp Cys Ala  
1 5 10

<210> 220  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 220  
Ala Ala Leu Ser Arg Lys Val Ala Glu Leu  
1 5 10

<210> 221  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 221  
Val Ala Glu Leu Val His Phe Leu Leu Leu  
1 5 10

<210> 222  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 222  
Val Thr Lys Ala Glu Met Leu Gly Ser Val  
1 5 10

<210> 223  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 223  
Gly Ile Glu Leu Met Glu Val Asp Pro Ile  
1 5 10

<210> 224  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 224  
Glu Val Asp Pro Ile Gly His Leu Tyr Ile  
1 5 10

<210> 225  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 225  
Pro Ile Gly His Leu Tyr Ile Phe Ala Thr  
1 5 10

<210> 226  
<211> 10



<212> PRT  
 <213> Homo Sapiens  
  
 <400> 226  
 Gln Ile Met Pro Lys Ala Gly Leu Leu Ile  
 1 5 10  
  
 <210> 227  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 227  
 Ile Met Pro Lys Ala Gly Leu Leu Ile Ile  
 1 5 10  
  
 <210> 228  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 228  
 Lys Ala Gly Leu Leu Ile Ile Val Leu Ala  
 1 5 10  
  
 <210> 229  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 229  
 Ala Ile Ile Ala Arg Glu Gly Asp Cys Ala  
 1 5 10  
  
 <210> 230  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 230  
 Phe Leu Trp Gly Pro Arg Ala Leu Ile  
 1 5  
  
 <210> 231  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 231  
 Gly Leu Glu Ala Arg Gly Glu Ala Leu  
 1 5

<210> 232  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 232  
Glu Ala Arg Gly Glu Ala Leu Gly Leu  
1 5

<210> 233  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 233  
Ala Leu Gly Leu Val Gly Ala Gln Ala  
1 5

<210> 234  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 234  
Gly Leu Val Gly Ala Gln Ala Pro Ala  
1 5

<210> 235  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 235  
Leu Val Gly Ala Gln Ala Pro Ala Thr  
1 5

<210> 236  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 236  
Pro Ala Thr Glu Glu Gln Glu Ala Ala  
1 5

<210> 237  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 237

Glu Ala Ala Ser Ser Ser Ser Thr Leu  
1 5

<210> 238  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 238  
Ala Ala Ser Ser Ser Ser Thr Leu Val  
1 5

<210> 239  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 239  
Leu Val Glu Val Thr Leu Gly Glu Val  
1 5

<210> 240  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 240  
Glu Val Thr Leu Gly Glu Val Pro Ala  
1 5

<210> 241  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 241  
Val Thr Leu Gly Glu Val Pro Ala Ala  
1 5

<210> 242  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 242  
Lys Ile Trp Glu Glu Leu Ser Val Leu  
1 5

<210> 243  
<211> 9  
<212> PRT

<213> Homo Sapiens

<400> 243

Ser Ile Leu Gly Asp Pro Lys Lys Leu  
1 5

<210> 244

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 244

Ile Leu Gly Asp Pro Lys Lys Leu Leu  
1 5

<210> 245

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 245

Phe Leu Trp Gly Pro Arg Ala Leu Val  
1 5

<210> 246

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 246

Arg Ala Leu Val Glu Thr Ser Tyr Val  
1 5

<210> 247

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 247

Leu Val Glu Thr Ser Tyr Val Lys Val  
1 5

<210> 248

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 248

Tyr Val Lys Val Leu His His Met Val  
1 5

<210> 249  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 249  
Lys Val Leu His His Met Val Lys Ile  
1 5

<210> 250  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 250  
Glu Ala Arg Gly Glu Ala Leu Gly Leu Val  
1 5 10

<210> 251  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 251  
Glu Ala Leu Gly Leu Val Gly Ala Gln Ala  
1 5 10

<210> 252  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 252  
Gly Leu Val Gly Ala Gln Ala Pro Ala Thr  
1 5 10

<210> 253  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 253  
Gln Ala Pro Ala Thr Glu Glu Gln Glu Ala  
1 5 10

<210> 254  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 254  
Glu Ala Ala Ser Ser Ser Ser Thr Leu Val

1 5 10

<210> 255  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 255  
Thr Leu Val Glu Val Thr Leu Gly Glu Val  
1 5 10

<210> 256  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 256  
Glu Val Thr Leu Gly Glu Val Pro Ala Ala  
1 5 10

<210> 257  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 257  
Glu Val Phe Glu Gly Arg Glu Asp Ser Ile  
1 5 10

<210> 258  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 258  
Ser Ile Leu Gly Asp Pro Lys Lys Leu Leu  
1 5 10

<210> 259  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 259  
Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr  
1 5 10

<210> 260  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 260  
Ala Leu Val Glu Thr Ser Tyr Val Lys Val  
1 5 10

<210> 261  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 261  
Leu Val Glu Thr Ser Tyr Val Lys Val Leu  
1 5 10

<210> 262  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 262  
Met Val Lys Ile Ser Gly Gly Pro His Ile  
1 5 10

<210> 263  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 263  
Leu Val Leu Gly Thr Leu Glu Glu Val  
1 5

<210> 264  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 264  
Lys Val Ala Asp Leu Val Gly Phe Leu Leu  
1 5 10

<210> 265  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 265  
Leu Val Phe Gly Ile Glu Leu Met Glu Val  
1 5 10

<210> 266

<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 266  
Ile Leu Leu Trp Gln Pro Ile Pro Val  
1 5

<210> 267  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 267  
Glu Val Asp Pro Ile Gly His Leu Tyr  
1 5

<210> 268  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 268  
Lys Met Val Glu Leu Val His Phe Leu  
1 5

<210> 269  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 269  
Lys Met Val Glu Leu Val His Phe Leu Leu  
1 5 10

<210> 270  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 270  
Leu Val Phe Gly Ile Glu Leu Met Glu Val  
1 5 10

<210> 271  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 271  
Lys Val Ala Glu Leu Val His Phe Leu  
1 5



<210> 272  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 272  
Cys Ile Leu Glu Ser Leu Phe Arg Ala  
1 5

<210> 273  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 273  
Val Met Ile Ala Met Glu Gly Gly His Ala  
1 5 10

<210> 274  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 274  
Met Leu Glu Ser Val Ile Lys Asn Tyr Lys  
1 5 10

<210> 275  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 275  
Glu Thr Ser Tyr Val Lys Val Leu Glu Tyr  
1 5 10

<210> 276  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 276  
Lys Val Leu Glu Tyr Val Ile Lys Val  
1 5

<210> 277  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 277

Phe Leu Trp Gly Pro Arg Ala Leu Ala  
1 5

<210> 278

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 278

Ala Leu Arg Glu Glu Glu Glu Gly Val  
1 5

<210> 279

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 279

Ala Leu Ala Glu Thr Ser Tyr Val Lys Val  
1 5 10

<210> 280

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 280

Tyr Val Ile Lys Val Ser Ala Arg Val  
1 5

<210> 281

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 281

Arg Ala Leu Ala Glu Thr Ser Tyr Val  
1 5

<210> 282

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 282

Ala Leu Ala Glu Thr Ser Tyr Val Lys  
1 5

<210> 283

<211> 8

<212> PRT  
 <213> Homo Sapiens  
  
 <400> 283  
 Val Leu Gly Thr Leu Glu Glu Val  
 1 5  
  
 <210> 284  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 284  
 Ser Leu Gln Leu Val Phe Gly Ile  
 1 5  
  
 <210> 285  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 285  
 Ile Leu Glu Ser Leu Phe Arg Ala  
 1 5  
  
 <210> 286  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 286  
 Phe Leu Leu Leu Lys Tyr Arg Ala  
 1 5  
  
 <210> 287  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 287  
 Gly Leu Val Cys Val Gln Ala Ala  
 1 5  
  
 <210> 288  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 288  
 Val Leu Val Thr Cys Leu Gly Leu  
 1 5

<210> 289  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 289  
Lys Val Ala Asp Leu Val Gly Phe Leu  
1 5

<210> 290  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 290  
Tyr Val Leu Val Thr Cys Leu Gly Leu  
1 5

<210> 291  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 291  
Ile Met Pro Lys Thr Gly Phe Leu Ile  
1 5

<210> 292  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 292  
Gly Leu Leu Gly Asp Asn Gln Ile Met  
1 5

<210> 293  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 293  
Gly Leu Val Cys Val Gln Ala Ala Thr  
1 5

<210> 294  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 294

Val Ala Asp Leu Val Gly Phe Leu Leu  
1 5

<210> 295  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 295  
Tyr Leu Glu Tyr Gly Arg Cys Arg Thr Val  
1 5 10

<210> 296  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 296  
Ser Leu Gln Leu Val Phe Gly Ile Asp Val  
1 5 10

<210> 297  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 297  
Ile Met Pro Lys Thr Gly Phe Leu Ile Ile  
1 5 10

<210> 298  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 298  
Ala Leu Gly Leu Val Cys Val Gln Ala Ala  
1 5 10

<210> 299  
<211> 11  
<212> PRT  
<213> Homo Sapiens

<400> 299  
Glu Ile Trp Glu Glu Leu Ser Val Met Glu Val  
1 5 10

<210> 300  
<211> 11  
<212> PRT

<213> Homo Sapiens

<400> 300

Phe Leu Ile Ile Val Leu Val Met Ile Ala Met  
1 5 10

<210> 301

<211> 11

<212> PRT

<213> Homo Sapiens

<400> 301

Val Ile Pro His Ala Met Ser Ser Cys Gly Val  
1 5 10

<210> 302

<211> 11

<212> PRT

<213> Homo Sapiens

<400> 302

Cys Ile Leu Glu Ser Cys Phe Arg Ala Val Ile  
1 5 10

<210> 303

<211> 11

<212> PRT

<213> Homo Sapiens

<400> 303

Gln Ile Met Pro Lys Thr Gly Phe Leu Ile Ile  
1 5 10

<210> 304

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 304

Gly Phe Leu Leu Leu Lys Tyr Arg Ala  
1 5

<210> 305

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 305

Cys Phe Pro Glu Ile Phe Gly Lys Ala  
1 5

<210> 306  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 306  
Phe Phe Phe Pro Ser Leu Arg Glu Ala  
1 5

<210> 307  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 307  
Phe Phe Pro Ser Leu Arg Glu Ala Ala  
1 5

<210> 308  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 308  
Arg Ser Leu His Cys Lys Pro Glu Glu Ala  
1 5 10

<210> 309  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 309  
Glu Phe Leu Trp Gly Pro Arg Ala Leu Ala  
1 5 10

<210> 310  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 310  
Arg Phe Phe Phe Pro Ser Leu Arg Glu Ala  
1 5 10

<210> 311  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 311  
Phe Phe Phe Pro Ser Leu Arg Glu Ala Ala

1	5	10
---	---	----

<210> 312  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 312  
 Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala  
 1 5 10

<210> 313  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 313  
 Met Leu Gln Leu Thr Val Trp Gly Ile  
 1 5

<210> 314  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 314  
 Arg Val Ile Glu Val Leu Gln Arg Ala  
 1 5

<210> 315  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 315  
 Lys Leu Thr Pro Leu Cys Val Thr Leu  
 1 5

<210> 316  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 316  
 Leu Leu Ile Ala Ala Arg Ile Val Glu Leu  
 1 5 10

<210> 317  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens



<400> 317  
Ser Leu Leu Asn Ala Thr Asp Ile Ala Val  
1 5 10

<210> 318  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 318  
Ala Leu Phe Leu Gly Phe Leu Gly Ala  
1 5

<210> 319  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 319  
His Met Leu Gln Leu Thr Val Trp Gly Ile  
1 5 10

<210> 320  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 320  
Leu Leu Asn Ala Thr Asp Ile Ala Val  
1 5

<210> 321  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 321  
Ala Leu Leu Tyr Lys Leu Asp Ile Val  
1 5

<210> 322  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 322  
Trp Leu Trp Tyr Ile Lys Ile Phe Ile  
1 5

<210> 323

<211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 323  
 Thr Ile Ile Val His Leu Asn Glu Ser Val  
 1 5 10  
  
 <210> 324  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 324  
 Leu Leu Gln Tyr Trp Ser Gln Glu Leu  
 1 5  
  
 <210> 325  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 325  
 Ile Met Ile Val Gly Gly Leu Val Gly Leu  
 1 5 10  
  
 <210> 326  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 326  
 Leu Leu Tyr Lys Leu Asp Ile Val Ser Ile  
 1 5 10  
  
 <210> 327  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 327  
 Phe Leu Ala Ile Ile Trp Val Asp Leu  
 1 5  
  
 <210> 328  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 328  
 Thr Leu Gln Cys Lys Ile Lys Gln Ile Ile  
 1 5 10

<210> 329  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 329  
Gly Leu Val Gly Leu Arg Ile Val Phe Ala  
1 5 10

<210> 330  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 330  
Phe Leu Gly Ala Ala Gly Ser Thr Met  
1 5

<210> 331  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 331  
Ile Ile Ser Leu Trp Asp Gln Ser Leu  
1 5

<210> 332  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<400> 332  
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala  
1 5 10

<210> 333  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 333  
Leu Leu Gly Arg Arg Gly Trp Glu Val  
1 5

<210> 334  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<400> 334  
 Ala Val Leu Ser Ile Val Asn Arg Val  
 1 5

<210> 335  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 335  
 Phe Ile Met Ile Val Gly Gly Leu Val  
 1 5

<210> 336  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 336  
 Leu Leu Asn Ala Thr Asp Ile Ala Val Ala  
 1 5 10

<210> 337  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 337  
 Phe Leu Tyr Gly Ala Leu Leu Leu Ala  
 1 5

<210> 338  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 338  
 Ser Leu Leu Thr Phe Met Ile Ala Ala  
 1 5

<210> 339  
 <211> 11  
 <212> PRT  
 <213> Homo Sapiens

<400> 339  
 Phe Met Ile Ala Ala Thr Tyr Asn Phe Ala Val  
 1 5 10

<210> 340  
 <211> 9

<212> PRT  
 <213> Homo Sapiens  
  
 <400> 340  
 Arg Met Tyr Gly Val Leu Pro Trp Ile  
 1 5  
  
 <210> 341  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 341  
 Ile Ala Ala Thr Tyr Asn Phe Ala Val  
 1 5  
  
 <210> 342  
 <211> 11  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 342  
 Gly Leu Leu Glu Cys Cys Ala Arg Cys Leu Val  
 1 5 10  
  
 <210> 343  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 343  
 Tyr Ala Leu Thr Val Val Trp Leu Leu  
 1 5  
  
 <210> 344  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 344  
 Ala Leu Thr Val Val Trp Leu Leu Val  
 1 5  
  
 <210> 345  
 <211> 8  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 345  
 Phe Leu Tyr Gly Ala Leu Leu Leu  
 1 5

<210> 346  
 <211> 11  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 346  
 Ser Leu Cys Ala Asp Ala Arg Met Tyr Gly Val  
 1 5 10

<210> 347  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 347  
 Leu Leu Val Phe Ala Cys Ser Ala Val  
 1 5

<210> 348  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<400> 348  
 Phe Leu Pro Ser Asp Tyr Phe Pro Ser Val  
 1 5 10

<210> 349  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<400> 349  
 Ala Leu Trp Asn Leu His Gly Gln Ala  
 1 5

<210> 350  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<220>  
 <221> VARIANT  
 <222> 1, 3, 4, 5, 6, 7, 8  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> 2  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> 9

<223> Xaa = Ala, Met

<400> 350

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 351

<211> 10

<212> PRT

<213> Homo Sapiens

<220>

<221> VARIANT

<222> 1, 3, 4, 5, 6, 7, 8, 9

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> 2

<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT

<222> 10

<223> Xaa = Ala, Met

<400> 351

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 352

<211> 9

<212> PRT

<213> Homo Sapiens

<220>

<221> VARIANT

<222> 1, 3, 4, 5, 6, 7, 8

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> 2

<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT

<222> 9

<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 352

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 353

<211> 10

<212> PRT

<213> Homo Sapiens

```

<220>
<221> VARIANT
<222> 1, 3, 4, 5, 6, 7, 8, 9
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> 2
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> 10
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 353
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1           5           10

<210> 354
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> 3, 4, 5, 6, 7, 8
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> 2
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> 9
<223> Xaa = Ala, Met

<221> VARIANT
<222> 1
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<400> 354
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1           5

<210> 355
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> 3, 4, 5, 6, 7, 8
<223> Xaa = Any Amino Acid

```



```

<221> VARIANT
<222> 2
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> 9
<223> Xaa = Leu, Val, Ile, Ala, Met

<221> VARIANT
<222> 1
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
        Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<400> 355
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1                      5

<210> 356
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> 1, 4, 5, 6, 7, 8
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> 2
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> 3
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
        Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> 9
<223> Xaa = Ala, Met

<400> 356
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1                      5

<210> 357
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> 1, 4, 5, 6, 7, 8

```

<223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> 2  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> 3  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> 9  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 357  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                          5  
  
 <210> 358  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <220>  
 <221> VARIANT  
 <222> 1, 3, 4, 5, 6, 8  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> 2  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> 7  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> 9  
 <223> Xaa = Ala, Met  
  
 <400> 358  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                          5  
  
 <210> 359  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <220>  
 <221> VARIANT

```

<222> 1, 3, 4, 5, 6, 8
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> 2
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> 7
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
      Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> 9
<223> Xaa = Ala, Met

<400> 359
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5

<210> 360
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> 1, 3, 4, 5, 7, 8
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> 2
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> 6
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> 9
<223> Xaa = Ala, Met

<400> 360
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5

<210> 361
<211> 9
<212> PRT
<213> Homo Sapiens

<220>

```

<221> VARIANT  
 <222> 1, 3, 4, 5, 7, 8  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> 2  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> 6  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> 9  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 361  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 362  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<220>  
 <221> VARIANT  
 <222> 4, 5, 6, 7, 8  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> 1  
 <223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
 <222> 2  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> 3  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> 9  
 <223> Xaa = Ala, Met

<400> 362  
 Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
 1 5

<210> 363

<211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <220>  
 <221> VARIANT  
 <222> 4, 5, 6, 7, 8  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> 1  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> 2  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> 3  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> 9  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 363  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5  
  
 <210> 364  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <220>  
 <221> VARIANT  
 <222> 3, 4, 5, 6, 8  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> 1  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> 2  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> 7  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT

<222> 9  
<223> Xaa = Ala, Met

<400> 364  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 365  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<220>  
<221> VARIANT  
<222> 3, 4, 5, 6, 8  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> 1  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> 2  
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
<222> 7  
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> 9  
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 365  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 366  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<220>  
<221> VARIANT  
<222> 3, 4, 5, 7, 8  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> 1  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> 2

<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT

<222> 6

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> 9

<223> Xaa = Ala, Met

<400> 366

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 367

<211> 9

<212> PRT

<213> Homo Sapiens

<220>

<221> VARIANT

<222> 3, 4, 5, 7, 8

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> 1

<223> Xaa = Tyr, Phe, Trp

<221> VARIANT

<222> 2

<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT

<222> 6

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> 9

<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 367

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 368

<211> 9

<212> PRT

<213> Homo Sapiens

<220>

<221> VARIANT

<222> 4, 5, 6, 7, 8  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> 1  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> 2  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> 3  
 <223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
 <222> 9  
 <223> Xaa = Ala, Met

<400> 368  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 369  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<220>  
 <221> VARIANT  
 <222> 4, 5, 6, 7, 8  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> 1  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> 2  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> 3  
 <223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
 <222> 9  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 369  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5



<210> 370  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<220>  
<221> VARIANT  
<222> 1, 4, 5, 6, 8  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> 2  
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
<222> 3  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> 7  
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> 9  
<223> Xaa = Ala, Met

<400> 370  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 371  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(3)  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> (4)...(6)  
<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (7)...(7)  
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (8)...(8)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (9)...(9)  
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 371  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 372  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(3)  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> (4)...(5)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (6)...(6)  
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (7)...(8)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (9)...(9)  
<223> Xaa = Ala, Met

<400> 372  
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 373  
<211> 9  
<212> PRT

<213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (4)...(5)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
           Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (7)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 373  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5  
  
 <210> 374  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
           Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
 <222> (6)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met

<400> 374  
 Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 375  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
 <222> (6)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 375  
 Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 376  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)

<223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (6)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met  
  
 <400> 376  
 Xaa Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
       1                  5  
  
 <210> 377  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (6)...(8)  
 <223> Xaa = Any Amino Acid

```

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 377
Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5

<210> 378
<211> 9
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(4)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(5)
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT
<222> (6)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
      Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (8)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Met

<400> 378
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5

<210> 379
<211> 9
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)

```

<223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 379  
 Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5  
  
 <210> 380  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Tyr, Phe, Trp  
  
 <221> VARIANT

<222> (6)...(6)  
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (7)...(8)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (9)...(9)  
<223> Xaa = Ala, Met

<400> 380  
Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 381  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(4)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (5)...(5)  
<223> Xaa = Tyr, Phe, Trp

<221> VARIANT  
<222> (6)...(6)  
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (7)...(8)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (9)...(9)  
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 381  
Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 382  
<211> 9  
<212> PRT



```

<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Ser, Thr, Cys

<221> VARIANT
<222> (5)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Met

<400> 382
Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Met
  1             5

<210> 383
<211> 9
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Ser, Thr, Cys

<221> VARIANT
<222> (5)...(8)
<223> Xaa = Any Amino Acid

```

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 383  
 Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5  
  
 <210> 384  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Ser, Thr, Cys  
  
 <221> VARIANT  
 <222> (5)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met  
  
 <400> 384  
 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5  
  
 <210> 385  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)

<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (4)...(4)

<223> Xaa = Ser, Thr, Cys

<221> VARIANT

<222> (5)...(8)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (9)...(9)

<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 385

Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

<210> 386

<211> 9

<212> PRT

<213> Homo Sapiens

<221> VARIANT

<222> (1)...(1)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (2)...(2)

<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT

<222> (3)...(3)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (4)...(4)

<223> Xaa = Ser, Thr, Cys

<221> VARIANT

<222> (5)...(6)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (7)...(7)

<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (8)...(8)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (9)...(9)

<223> Xaa = Ala, Met

<400> 386  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 387  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Ser, Thr, Cys

<221> VARIANT  
 <222> (5)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 387  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 388  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)

<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT

<222> (3)...(3)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (4)...(4)

<223> Xaa = Ser, Thr, Cys

<221> VARIANT

<222> (5)...(5)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (6)...(6)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (7)...(8)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (9)...(9)

<223> Xaa = Ala, Met

<400> 388

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

<210> 389

<211> 9

<212> PRT

<213> Homo Sapiens

<221> VARIANT

<222> (1)...(1)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (2)...(2)

<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT

<222> (3)...(3)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (4)...(4)

<223> Xaa = Ser, Thr, Cys

<221> VARIANT

<222> (5)...(5)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (6)...(6)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
       Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (7)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 389  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5  
  
 <210> 390  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
       Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(6)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met  
  
 <400> 390  
 Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
   1                  5  
  
 <210> 391  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
       Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT

```

<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (8)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Leu, Val, Ila, Ala, Met

<400> 391
Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa
 1               5

<210> 392
<211> 9
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
      Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (4)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (8)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Met

<400> 392
Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa
 1               5

<210> 393
<211> 9
<212> PRT
<213> Homo Sapiens

```

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (4)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 393  
 Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
 1 5

<210> 394  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(5)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met

<400> 394  
 Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
 1 5

<210> 395



<211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(5)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
           Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 395  
 Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
   1                          5  
  
 <210> 396  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
           Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 396  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

&lt;210&gt; 397

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(9)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(10)

&lt;223&gt; Xaa = Leu, Val, Ile, Ala, Met

&lt;400&gt; 397

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

&lt;210&gt; 398

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Leu, Met, Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(3)

<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
Asn, Gln, Arg, Pro, Ser, Thr, Val, Trp, Tyr

&lt;221&gt; VARIANT

&lt;222&gt; (4)...(9)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(10)

&lt;223&gt; Xaa = Ala, Met

&lt;400&gt; 398

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

<210> 399  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(3)  
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
Asn, Gln, Arg, Pro, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (4)...(9)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (10)...(10)  
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 399  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 400  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(3)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (4)...(4)  
<223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,  
Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (5)...(9)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (10)...(10)  
<223> Xaa = Ala, Met

<400> 400  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 401  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(3)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (4)...(4)  
<223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,  
Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
<222> (5)...(9)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (10)...(10)  
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 401  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 402  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(2)  
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
<222> (3)...(4)

<223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
       Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (6)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 402  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5                  10  
  
 <210> 403  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
       Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (6)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 403  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5                  10  
  
 <210> 404  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

```

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (8)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 404
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 405
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (8)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT

```

```

<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 405
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5               10

<210> 406
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(7)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (8)...(8)
<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
      Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 406
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5               10

<210> 407
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(7)
<223> Xaa = Any Amino Acid

```

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 407  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 408  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 408  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 409  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid



```

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 409
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 410
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 410
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 411
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)

```

<223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 411  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 412  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Trp  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Pro, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (4)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 412  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 413  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Pro, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (4)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 413  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 414  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,  
 Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (5)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 414  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 415  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT

```

<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,
      Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (5)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 415
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10

<210> 416
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(4)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(5)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (6)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

```

```

<400> 416
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10

<210> 417
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(4)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(5)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (6)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 417
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10

<210> 418
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT

```

<222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 418  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 419  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 419  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 420  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)

<223> Xaa = Ala, Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 420  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5                  10  
  
 <210> 421  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Trp  
  
 <221> VARIANT  
 <222> (3)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
           Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 421  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 422  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 422  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 423  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Tyr, Phe, Trp

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT



```

<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 423
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5               10

<210> 424
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Leu, Val, Ile, Met

<221> VARIANT
<222> (4)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 424
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1               5               10

<210> 425
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Leu, Val, Ile, Met

<221> VARIANT
<222> (4)...(9)

```

<223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 425  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 426  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,  
 Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (5)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 426  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 427  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

```

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Leu, Val, Ile, Met

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,
      Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (5)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 427
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 428
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Leu, Val, Ile, Met

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(5)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (6)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 428
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

```

1

5

10

&lt;210&gt; 429

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(3)

&lt;223&gt; Xaa = Leu, Val, Ile, Met

&lt;221&gt; VARIANT

&lt;222&gt; (4)...(4)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (5)...(5)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

&lt;221&gt; VARIANT

&lt;222&gt; (6)...(9)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(10)

&lt;223&gt; Xaa = Leu, Val, Ile, Ala, Met

&lt;400&gt; 429

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

&lt;210&gt; 430

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Leu, Met, Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(3)

&lt;223&gt; Xaa = Leu, Val, Ile, Met

<221> VARIANT  
 <222> (4)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 430  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 431  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Leu, Val, Ile, Met

<221> VARIANT  
 <222> (4)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 431  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

&lt;210&gt; 432

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Leu, Met, Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(3)

&lt;223&gt; Xaa = Leu, Val, Ile, Met

&lt;221&gt; VARIANT

&lt;222&gt; (4)...(7)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(8)

<223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
Gln, Ser, Thr, Val, Trp, Tyr

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(9)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(10)

&lt;223&gt; Xaa = Ala, Met

&lt;400&gt; 432

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

&lt;210&gt; 433

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Xaa = Any Amino Acid

&lt;221&gt; VARIANT

&lt;222&gt; (2)...(2)

&lt;223&gt; Xaa = Ile, Val, Ala, Thr

&lt;221&gt; VARIANT

&lt;222&gt; (3)...(3)

&lt;223&gt; Xaa = Leu, Val, Ile, Met

<221> VARIANT  
 <222> (4)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 433  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 434  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Leu, Val, Ile, Met

<221> VARIANT  
 <222> (4)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 434  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 435  
 <211> 10

```

<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Leu, Val, Ile, Met

<221> VARIANT
<222> (4)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 435
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1                      5                      10

<210> 436
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

```



```

<400> 436
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 437
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 437
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 438
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Pro, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (5)...(9)
<223> Xaa = Any Amino Acid

```

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 438  
 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 439  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Pro, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (5)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 439  
 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 440  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(5)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (6)...(9)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (10)...(10)

<223> Xaa = Ala, Met

<400> 440

Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10

<210> 441

<211> 10

<212> PRT

<213> Homo Sapiens

<221> VARIANT

<222> (1)...(1)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (2)...(2)

<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT

<222> (3)...(3)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (5)...(5)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (6)...(9)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (10)...(10)

<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 441

Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10

<210> 442

<211> 10

<212> PRT

<213> Homo Sapiens

<221> VARIANT

<222> (1)...(1)

<223> Xaa = Any Amino Acid

```

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (8)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 442
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
 1           5           10

<210> 443
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(6)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

```

<222> (8)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 443  
 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 444  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (5)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 444  
 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 445  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (5)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
 Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 445  
 Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 446  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (5)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

```

<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 446
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10

<210> 447
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (5)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,
      Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 447
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10

<210> 448
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(7)

```

<223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 448  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 449  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 449  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 450  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens



<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (4)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 450  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 451  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (4)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)

```

<223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Ala, Met

<400> 451
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 452
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (4)...(4)
<223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,
      Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT
<222> (5)...(7)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (8)...(8)
<223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Ala, Met

<400> 452
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1             5             10

<210> 453

```

<211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(3)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn,  
           Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (5)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 453  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                  5                  10  
  
 <210> 454  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (6)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met

<400> 454  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 455  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(4)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (6)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT

<222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 455  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 456  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(6)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 456  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 457  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(6)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met

<400> 457  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 458  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Leu, Met, Ile, Val, Ala, Thr

<221> VARIANT  
 <222> (3)...(7)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met, Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr

<221> VARIANT

<222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 458  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 459  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> Xaa = Ile, Val, Ala, Thr  
  
 <221> VARIANT  
 <222> (3)...(7)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (8)...(8)  
 <223> Xaa = Tyr, Phe, Trp, Leu, Val, Ile, Met  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Leu, Val, Ile, Ala, Met  
  
 <400> 459  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10  
  
 <210> 460  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Val, Ile, Ala, Met

<400> 460  
 Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 461  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (3)...(9)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Val, Ile, Ala, Met

<400> 461  
 Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 462  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid

<221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Leu, Val, Ile, Met

<400> 462  
 Xaa Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 463  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens

<221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid

<221> VARIANT



```

<222> (3)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Ile, Met

<400> 463
Xaa Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1          5          10

<210> 464
<211> 9
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (3)...(8)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (9)...(9)
<223> Xaa = Leu, Val, Met

<400> 464
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1          5

<210> 465
<211> 10
<212> PRT
<213> Homo Sapiens

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (3)...(9)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (10)...(10)
<223> Xaa = Leu, Val, Met

<400> 465
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1          5          10

<210> 466
<211> 9
<212> PRT
<213> Homo Sapiens

```

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (3)...(8)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (9)...(9)  
<223> Xaa = Leu, Ile, Met

<400> 466  
Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 467  
<211> 10  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (2)...(9)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (10)...(10)  
<223> Xaa = Leu, Ile, Met

<400> 467  
Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 468  
<211> 9  
<212> PRT  
<213> Homo Sapiens

<221> VARIANT  
<222> (1)...(1)  
<223> Xaa = Any Amino Acid

<221> VARIANT  
<222> (3)...(8)  
<223> Xaa = Any Amino Acid

<400> 468  
Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Met  
1 5

<210> 469  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (3)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <400> 469  
 Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Met  
 1 5 10  
  
 <210> 470  
 <211> 9  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (3)...(8)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (9)...(9)  
 <223> Xaa = Ala, Met  
  
 <400> 470  
 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5  
  
 <210> 471  
 <211> 10  
 <212> PRT  
 <213> Homo Sapiens  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (3)...(9)  
 <223> Xaa = Any Amino Acid  
  
 <221> VARIANT  
 <222> (10)...(10)  
 <223> Xaa = Ala, Met  
  
 <400> 471

Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 472

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 472

Lys Val Ala Glu Leu Val His Phe Leu  
1 5

---

st  
Cons